



**PATIENT**

Leo Harger

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

12 years

**WEIGHT**

13.19 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

VCA Salem AH

**REFERRING VET**

Dr. Wermuth

**DATE**

12/7/21

**Invoice**  
94364

**PRESENTING CLINICAL SIGNS**

History: Chronic vomiting.

Abnormal PE/Chem/CBC/UA Results: Radiographic Findings Rad report: The small bowel is moderately and slightly variably distended with fluid and gas. Some sections in the ventral abdomen approximate over twice a diameter of the height of the vertebral body of L5. The appearance of the small bowel may represent a partial or complete mechanical ileus associated with a radiolucent foreign body or infiltrative neoplasia such as lymphoma. A segmental enteropathy could also be considered.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. Pelvic mineralization was noted and measured 0.5 cm. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 3.76 cm. The right kidney measured 4.61 cm.

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.34 cm. The left adrenal gland measured 0.29 cm.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

**Liver**

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of



**PATIENT**

Leo Harger

congestion was noted. The gallbladder and common bile duct were unremarkable. A trace amount of gallbladder sand was noted, yet this is not a clinical issue.

**SPECIES**

Feline

**Gastrointestinal**

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall. The muscularis layer was hypertrophied inverting the normal ratio (1:3). The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic inflammation. Intestinal wall thickness measured up to 0.32 cm. No evidence of obstruction was present. Chronic inflammatory bowel disease is probable with a low possibility of an early neoplastic event such as lymphoma or, less likely, dry form FIP can at times be found on biopsy of these presentations. Full thickness tissue biopsies via open laparotomy, ideally guided by intraoperative ultrasound in order to obtain the most representative mural sample, would be necessary to rule more significant disease than IBD.

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

12 years

**Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**WEIGHT**

13.19 lbs

**Free Abdomen**

A large amount of falciform fat was noted in the cranial abdomen. The falciform fat measured 5.0 x 4.0 cm.

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**ULTRASONOGRAPHIC FINDINGS**

Minor intestinal thickening with hypertrophied muscularis. Likely underlying inflammatory bowel.

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

Moderate, degenerative renal changes with mineralization.

**HOSPITAL NAME**

VCA Salem AH

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There was no evidence of neoplasia or evidence of foreign bodies. Diet change to a hydrolyzed diet and antiparasitic protocol would be appropriate.

**REFERRING VET**

Dr. Wermuth

**DATE**

12/7/21

**Invoice**  
94364



**PATIENT**

Leo Harger

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

12 years

**WEIGHT**

13.19 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

VCA Salem AH

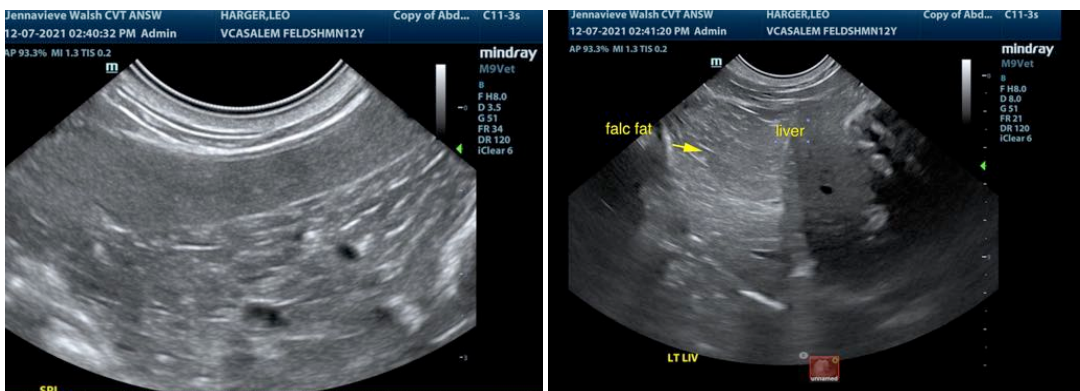
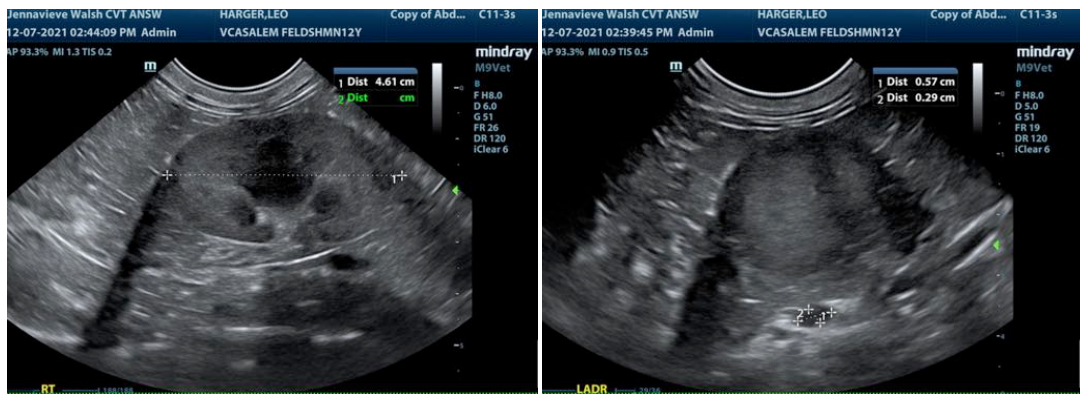
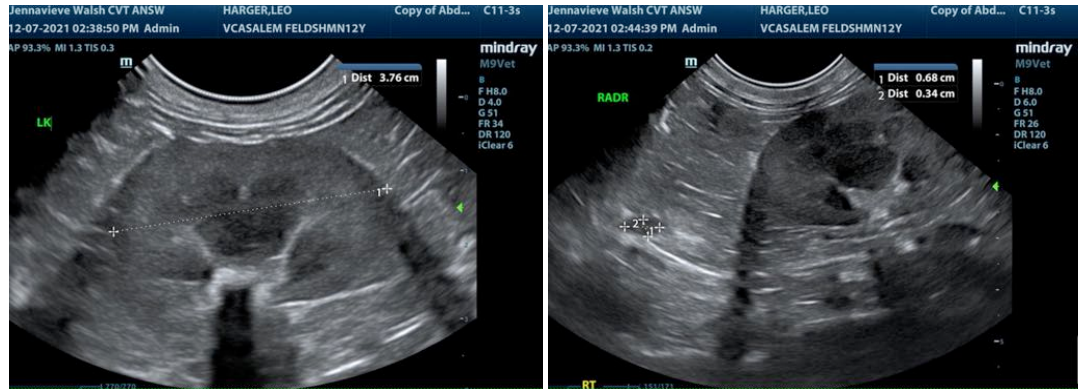
**REFERRING VET**

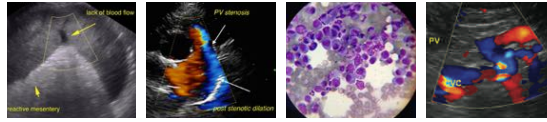
Dr. Wermuth

**DATE**

12/7/21

**Invoice**  
94364





**PATIENT**

Leo Harger

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

12 years

**WEIGHT**

13.19 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

VCA Salem AH

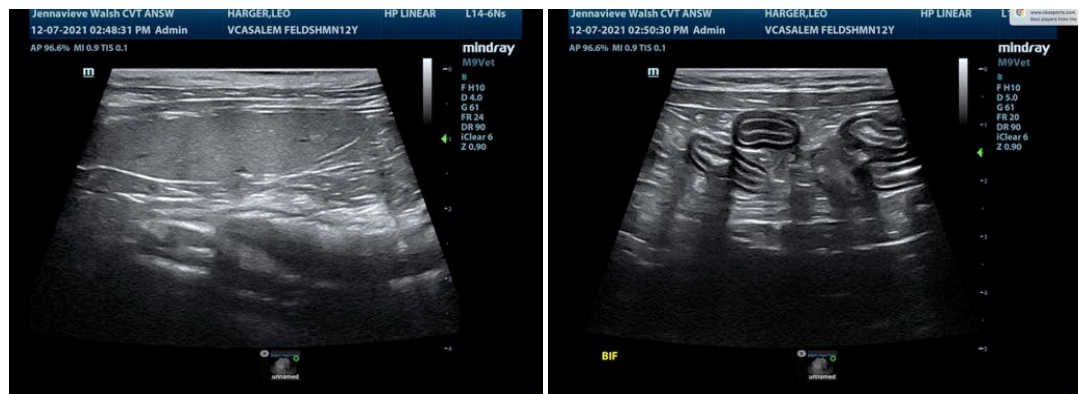
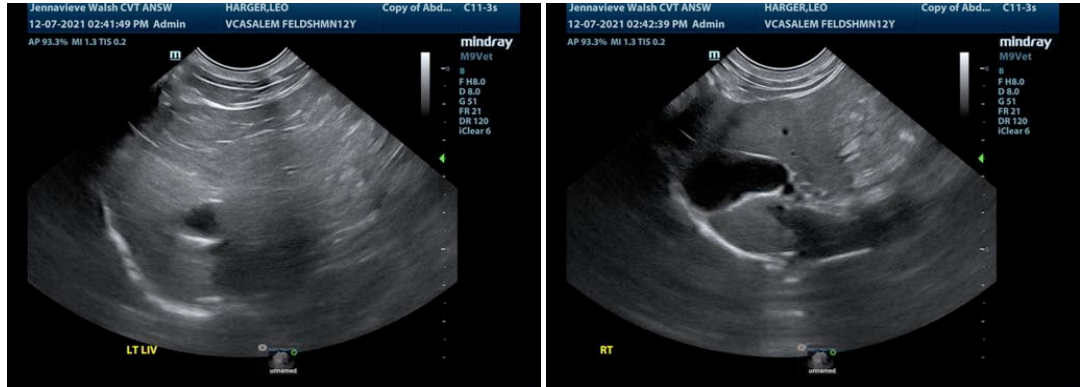
**REFERRING VET**

Dr. Wermuth

**DATE**

12/7/21

**Invoice**  
94364



The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**Eric Lindquist, DMV, DABVP, Cert. IVUSS**



**PATIENT**

CEO of Sonopath.com

Leo Harger

Eric.Lindquist@SonoPath.com

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

12 years

**WEIGHT**

13.19 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

VCA Salem AH

**REFERRING VET**

Dr. Wermuth

**DATE**

12/7/21

**Invoice**  
94364